

B.Tech. SEM -IV (Civil) 2014 Course (CBCS) : SUMMER - 2019
SUBJECT: CONSTRUCTION TECHNIQUES AND MACHINERY

Day : Thursday
Date : 30/05/2019

S-2019-2600

Time : 10.00 AM TO 01.00 PM
Max. Marks: 60

N. B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) draw neat and labeled diagram **WHEREVER** necessary.
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Q.1 Explain in detail the scope of Infrastructure in India. (10)

OR

Q.1 What is necessity of mechanization in construction industry? (10)

Q.2 Draw a neat sketch of Pneumatic Caisson. Label the important parts and explain functions of all parts. (10)

OR

Q.2 Explain necessity and use of special types of Formworks. (10)

Q.3 What precautions are to be taken during placing of concrete in hot and cold weather conditions? (10)

OR

Q.3 Write a detailed note on Precast Techniques. (10)

Q.4 Draw a neat labeled sketch of- (10)
a) Drag line b) Scrapper.

OR

Q.4 What is importance of keeping records of machineries? (10)

Q.5 What are various factors affecting the selection of hoisting equipments? (10)

OR

Q.5 What are the different types of Crushers? (10)

Q.6 Explain in detail with neat labeled sketch Well Point Method for Dewatering. (10)

OR

Q.6 Explain different types of Pumps and their uses. (10)

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